

Ming-cong Deng

List of Publications by Year in descending order

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377
papers

2,694
citations

185998

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h-index

301761

39
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381
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381
times ranked

739
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-linear forced vibration control for a vertical wing-plate with sustainable perturbation by using internal model control mechanism. <i>International Journal of Control</i> , 2023, 96, 1543-1550.	1.2	3
2	Robust nonlinear control integrated operator theory and sliding mode technology for a system considering the change of thermal conductivity. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2022, 236, 546-552.	0.7	1
3	Experimental Study on Support Vector Machine-Based Early Detection for Sensor Faults and Operator-Based Robust Fault Tolerant Control. <i>Machines</i> , 2022, 10, 123.	1.2	2
4	Particle Filter Design for Robust Nonlinear Control System of Uncertain Heat Exchange Process with Sensor Noise and Communication Time Delay. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2495.	1.3	6
5	Nonlinear Intelligent Control of Two Link Robot Arm by Considering Human Voluntary Components. <i>Sensors</i> , 2022, 22, 1424.	2.1	3
6	Particle Filter with Weight Adjustment and Its Application on Heat Exchange Process with Time Delay and Large Sensor Noise. , 2022, , .		1
7	Operator-based Robust Nonlinear Vibration Control System for A Flexible Arm with Double-sided SMA. , 2022, , .		3
8	Operator & Fractional Order Based Nonlinear Robust Control for a Spiral Counter-Flow Heat Exchanger with Uncertainties and Disturbances. <i>Machines</i> , 2022, 10, 335.	1.2	1
9	SVM-based fault detection for double layered tank system by considering ChangeFinder's characteristics. <i>International Journal of Advanced Mechatronic Systems</i> , 2022, 9, 185.	0.1	1
10	A Nonlinear Control of Linear Slider Considering Position Dependence of Interlinkage Flux. <i>Machines</i> , 2022, 10, 522.	1.2	3
11	Design and Control of Advanced Mechatronics Systems. <i>Machines</i> , 2022, 10, 539.	1.2	0
12	Applying an MSVR Method to Forecast a Three-Degree-of-Freedom Soft Actuator for a Nonlinear Position Control System: Simulation and Experiments. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2022, 8, 61-69.	1.2	5
13	U-Model-Based Two-Degree-of-Freedom Internal Model Control of Nonlinear Dynamic Systems. <i>Entropy</i> , 2021, 23, 169.	1.1	14
14	Simultaneous control of efficiency and power in a WPT system using position information between transmission and reception coils. , 2021, , .		2
15	Operator-Based Nonlinear Control for a Miniature Flexible Actuator Using the Funnel Control Method. <i>Machines</i> , 2021, 9, 26.	1.2	9
16	Electric power control of thermoelectric generation system. , 2021, , .		0
17	Nonlinear Control System Design of an Underactuated Robot Based on Operator Theory and Isomorphism Scheme. <i>Axioms</i> , 2021, 10, 62.	0.9	1
18	Operator-Based Nonlinear Control of Calorimetric System Actuated by Peltier Device. <i>Machines</i> , 2021, 9, 174.	1.2	2

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19	Nonlinear Vibration Control of L-Shaped Arm by Using Servo Motor Actuator. , 2021, , .		1
20	Nonlinear Funnel control of calorimetric system considering temperature dependence of thermal conductivity. , 2021, , .		0
21	Multilevel inverter for grid interconnection with square wave voltage sources and minimisation of active filter capacity. International Journal of Advanced Mechatronic Systems, 2021, 9, 146.	0.1	0
22	Operator-based nonlinear concurrent control of output voltage and efficiency in a WPT system. , 2021, , .		2
23	GPU Based Modelling and Analysis for Parallel Fractional Order Derivative Model of the Spiral-Plate Heat Exchanger. Axioms, 2021, 10, 344.	0.9	5
24	Nonlinear temperature control of heat exchanger process using particle filter with interquartile range particle weights. , 2021, , .		0
25	Experimental Study on Nonlinear Vibration Control for a Flat Plate with Multiple Piezoelectric Elements. , 2021, , .		0
26	Operator-Based Robust Fault Tolerant Control with SVM-based Early Detection for Sensor Faults. , 2021, , .		0
27	An Extended Generalized Minimum Variance Control Using a Full-Order Observer Equivalent to the Controller Based on Polynomials. , 2021, , .		1
28	Operator-based nonlinear forced vibration control for a vertical wing-plate. , 2021, , .		0
29	Prescribed performance based nonlinear vibration control of a flexible arm with shape memory alloy actuator. , 2021, , .		3
30	Operator-based Nonlinear Modeling and Control of Microreactor Considering Symmetry. , 2021, , .		0
31	Operator based robust nonlinear position control of linear slider. , 2021, , .		0
32	Operator Based Fractional Order Control System for a Spiral Heat Exchanger with Uncertainties. , 2021, , .		1
33	An Operator-based Nonlinear Vibration Control System Using a Flexible Arm with Shape Memory Alloy. International Journal of Automation and Computing, 2020, 17, 139-150.	4.5	10
34	Simple Calorimetric Power Loss Measurement System Using Single Chamber and Peltier Device with Ambient Temperature Tracking Control. , 2020, , .		4
35	Operator-based robust nonlinear free vibration control of a flexible plate with unknown input nonlinearity. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 442-450.	8.5	9
36	Recent Developments on Modeling for a 3-DOF Micro-Hand Based on AI Methods. Micromachines, 2020, 11, 792.	1.4	9

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37	Operator-based Nonlinear Modeling and Control for Microreactor. , 2020, , .		1
38	Operator-based nonlinear free vibration control of a flexible plate with sudden perturbations. Transactions of the Institute of Measurement and Control, 2020, 42, 1375-1387.	1.1	6
39	Isomorphism-based robust right coprime factorization for uncertain nonlinear feedback systems. Science China Information Sciences, 2020, 63, 1.	2.7	2
40	Robust fault tolerant tracking control for the multi-joint manipulator based on operator theory. Journal of the Franklin Institute, 2020, 357, 2696-2714.	1.9	53
41	Developments on robust parallel compensator design and its possible applications. International Journal of Modelling, Identification and Control, 2020, 35, 277.	0.2	5
42	Model Predictive Control of Multivariable Plants Using Interactor and Solving Procedure of Matrix Polynomial Diophantine Equations. SICE Journal of Control Measurement and System Integration, 2020, 13, 84-89.	0.4	0
43	Experimental Studies on Operator-based Nonlinear Vibration Control of a Flexible Arm Considering Prescribed Performance. , 2020, , .		3
44	Modeling of 3â€œDOF microâ€œhand for one or two inputs. , 2020, , .		1
45	Chattering and bias-free design of operator-based nonlinear sliding mode control for a WPT system. International Journal of Advanced Mechatronic Systems, 2020, 8, 127.	0.1	6
46	Developments on robust parallel compensator design and its possible applications. International Journal of Modelling, Identification and Control, 2020, 35, 277.	0.2	0
47	Chattering and bias-free design of operator-based nonlinear sliding mode control for a WPT system. International Journal of Advanced Mechatronic Systems, 2020, 8, 127.	0.1	0
48	Operator-based nonlinear fault detection and fault tolerant control for microreactor using one-class SVM. International Journal of Advanced Mechatronic Systems, 2020, 8, 109.	0.1	3
49	Operator-Based Robust Nonlinear Control for Calorimetric Power Loss Measurement System Using Peltier Device. , 2020, , .		1
50	Nonlinear Control for L-Shaped Arm Using Central Pattern Generator. , 2020, , .		1
51	Time-varying unimodular function based robust right coprime factorization for nonlinear forced vibration control system. , 2020, , .		0
52	Nonlinear vibration control of a flat plate structure using multiple piezoelectric devices. , 2020, , .		1
53	Parameter optimization for operator-based robust nonlinear control of uncertain wireless power transfer systems by using ant colony optimization. , 2019, , .		3
54	Operator-based nonlinear fault detection and fault tolerance control for microreactor with generalized Gaussian function. , 2019, , .		0

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55	Multi-variable Generalized Minimum Variance Control with Time-delay Using Interactor Matrix. , 2019, , .		4
56	Experimental Study on Operator-based Nonlinear Control for a Miniature Pneumatic Bending Rubber Actuator by Using PSO-SVR-GGD Method. , 2019, , .		3
57	Modeling and System Integration for a Thin Pneumatic Rubber 3-DOF Actuator. Actuators, 2019, 8, 32.	1.2	15
58	Tracking Performance Improvement for Operator-based Nonlinear Robust Control of Wireless Power Transfer Systems with Uncertainties. International Journal of Control, Automation and Systems, 2019, 17, 545-554.	1.6	12
59	Online Human Multi-joint Arm's Viscoelasticity Estimation during Movement. , 2019, , .		0
60	Operator-based Nonlinear Feedback Control Design Under Denial of Service Attack. , 2019, , .		1
61	Operator-based Robust Fault Tolerance Control for Uncertain Nonlinear Microreactors with Coupling Effects. , 2019, , .		5
62	Design of Model Predictive Control of Multivariable Time-delay Plants Using Interactor Matrix. , 2019, , .		1
63	Modeling of an SMA actuator and its experimental verification. , 2019, , .		0
64	Operator-Based Robust Nonlinear Forced Vibration Control of a Flexible Plate. , 2019, , .		0
65	DCS devices based non-linear process control system design for plants with distributed time-delay using particle filter. Journal of Central South University, 2019, 26, 3351-3358.	1.2	1
66	Operator Based Robust Nonlinear Vibration Control of Load-attached Flexible Arm Actuated by Single-sided SMA. , 2019, , .		4
67	Experimental Research on Nonlinear Process Output Estimation System by DCS Devices. , 2019, , .		3
68	Modeling of a spiral heat exchanger using fractional order equation and GPU. , 2019, , .		1
69	An Operator-based Optimal Equivalent Load Tracking Control Scheme for Uncertain Wireless Power Transfer Systems. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 364-371.	0.1	4
70	Experimental study on operator-based robust nonlinear vibration control for an L-shaped arm with unknown load. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 453-463.	0.7	0
71	Operator Based Two Loop Nonlinear Forced Vibration Control of a Flexible Plate. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2018, 203, 19-28.	0.2	6
72	Operator-based robust nonlinear control of an uncertain wireless power transfer system using sliding mode technology. Transactions of the Institute of Measurement and Control, 2018, 40, 4397-4406.	1.1	7

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73	Nonlinear Control Method for Nonlinear Systems with Unknown Perturbations by Combining Left and Right Factorization. Asian Journal of Control, 2018, 20, 1734-1744.	1.9	4
74	Operator-based robust nonlinear vibration control for an L-shaped arm with unknown load by using online wavelet transform. IET Control Theory and Applications, 2018, 12, 770-777.	1.2	3
75	Operator-based robust nonlinear control for SISO and MIMO nonlinear systems with PI hysteresis. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 523-530.	8.5	11
76	Operator-based external disturbance rejection of perturbed nonlinear systems by using robust right coprime factorization. Transactions of the Institute of Measurement and Control, 2018, 40, 3169-3178.	1.1	5
77	Photovoltaic Module Integrated Microinverter with Gradationally Controlled Voltage Sources and Series Connected Active Filter. , 2018, , .		0
78	Swing Suppression Control of a Variable Length Link Using Shape Memory Alloy Actuator. , 2018, , .		2
79	Experimental study on operator-based integral sliding mode robust nonlinear control for WPT systems. , 2018, , .		1
80	Multilevel Inverter for Grid Interconnection with Square Wave Voltage Sources and Series Connected Active Filter. , 2018, , .		0
81	Robust Nonlinear Forced Vibration Control of a Flexible Plate Based on Operator Theory. , 2018, , .		1
82	Operator based nonlinear forced vibration control for a flexible arm using SMA actuator. , 2018, , .		1
83	Robot arm control based on human multi-joint arm viscoelasticity and operator theory. , 2018, , .		1
84	Disturbance Suppressing Model Predictive Control Using State Space Approach. , 2018, , .		0
85	Particle filter based remote control for processes with communication delays. , 2018, , .		3
86	An operator-based control scheme designed for nonlinear feedback system. , 2018, , .		0
87	Nonlinear control considering temperature dependence of thermal conductivity for a cooling and heating system based on the concept of sliding mode. , 2018, , .		2
88	Operator-Based Reset Control for Nonlinear System with Unknown Disturbance. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 755-762.	0.2	0
89	Experimental study on a spiral heat exchange process using DCS device. , 2018, , .		4
90	Modelling and Operator-Based Nonlinear Control for a Miniature Pneumatic Bending Rubber Actuator Considering Bellows. Actuators, 2018, 7, 26.	1.2	14

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91	A Multi-rate Optimal Controller to Suppress Ripples at Transient State. , 2018, , .		1
92	A Design Method of Closed-loop Poles of Model Predictive Control. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 543-548.	0.1	0
93	Mathematical Expressions of Controller Poles and Steady Gain of Generalized Minimum Variance Control System. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 846-852.	0.1	0
94	A Multi-rate Controller to Minimize Ripples at Transient State of Sampled-time Systems. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 1169-1175.	0.1	0
95	Robust nonlinear tracking control system design of an uncertain multivariable process driven by a distributed control system device. Transactions of the Institute of Measurement and Control, 2017, 39, 520-536.	1.1	3
96	Robust stability of MIMO nonlinear uncertain systems using operator-based right coprime factorisation. International Journal of Systems Science, 2017, 48, 1597-1606.	3.7	0
97	Operator-based robust nonlinear optimal vibration control for an L-shaped arm driven by linear pulse motor. International Journal of Control, Automation and Systems, 2017, 15, 2026-2033.	1.6	11
98	Experimental Study on Robust Nonlinear Forced Vibration Control for an L-Shaped Arm with Reduced Control Inputs. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2186-2195.	3.7	15
99	Perturbed nonlinear systems control using extended robust right coprime factorisation. International Journal of Control, 2017, 90, 2047-2056.	1.2	1
100	Experimental verification of buck-boost converter based micro inverter for minimization of magnetic components. , 2017, , .		2
101	Operator-based integral sliding mode control design for WPT system via magnetic resonance coupling. , 2017, , .		7
102	Sensitivity on operator-based nonlinear control design of uncertain system with disturbance. , 2017, , .		0
103	Tracking operator-based optimal load control for loosely coupled wireless power transfer systems. , 2017, , .		6
104	Operator based robust nonlinear control system for a tank process with fractional calculus. , 2017, , .		1
105	Robust control and perturbations rejection for Nonlinear Systems using operator-based right coprime factorization. , 2017, , .		0
106	Design of a fault tolerant model predictive control using symbolic processing software. International Journal of Advanced Mechatronic Systems, 2017, 7, 319.	0.1	2
107	A Miniature Pneumatic Bending Rubber Actuator Controlled by Using the PSO-SVR-Based Motion Estimation Method with the Generalized Gaussian Kernel. Actuators, 2017, 6, 6.	1.2	21
108	A modified design on operator-based nonlinear vibration control for an L-shaped arm with load. , 2017, , .		0

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109	Operator-based nonlinear position control for a micro-hand by using image information. , 2017, , .		0
110	Operator-Based Nonlinear Control with Unknown Disturbance Rejection. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 982-988.	0.2	1
111	Nonlinear fault tolerance control and fault detection for the microreactor group. The Proceedings of the Symposium on Evaluation and Diagnosis, 2017, 2017.16, 113.	0.1	4
112	Minimization of Output Tracking Errors of Systems with Time-Delay in Input Term. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 54-59.	0.1	3
113	Operator based Two Loop Nonlinear Forced Vibration Control of a Flexible Plate. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 845-852.	0.1	0
114	New Developments on Robust Nonlinear Control and Its Applications 2016. Mathematical Problems in Engineering, 2016, 2016, 1-2.	0.6	0
115	Design scheme for nonlinear feedback system using right coprime factorization. , 2016, , .		2
116	Operator theory based nonlinear fault tolerance control for MIMO microreactor. , 2016, , .		7
117	Robust dexterous manipulation of a soft micro-hand. , 2016, , .		1
118	A mathematical expression of an index function in FRIT. , 2016, , .		0
119	Early detection of plant faults by using machine learning. , 2016, , .		3
120	Nonlinear feedback control design based on operator theory for loosely coupled wireless power transfer systems. , 2016, , .		4
121	Operator-based MPPT control system for thermoelectric generation by measuring the open-circuit voltage. , 2016, , .		8
122	Experimental study on operator based robust two loop nonlinear free vibration control of a flexible plate. , 2016, , .		1
123	Robot system identification using 3D simulation component applied on VIPRO platform. , 2016, , .		1
124	Operator-based experimental studies on nonlinear vibration control for an aircraft vertical tail with considering low-order modes. Transactions of the Institute of Measurement and Control, 2016, 38, 1421-1433.	1.1	33
125	Design of a Data-Driven Controller for a Spiral Heat Exchanger. IFAC-PapersOnLine, 2016, 49, 342-346.	0.5	4
126	Operator-based fault tolerant control for uncertain nonlinear systems. , 2016, , .		0

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127	Operator-based nonlinear temperature control experiment for microreactor group actuated by Peltier devices. International Journal of Automation and Computing, 2016, 13, 401-408.	4.5	10
128	Operator-based robust non-linear control for a two-link robot arm. , 2016, , .		0
129	Adjoint operator-based isomorphism realisation and control design for non-linear systems. IET Control Theory and Applications, 2016, 10, 919-925.	1.2	2
130	Operator-based control scheme for nonlinear feedback system. , 2016, , .		0
131	Operator based robust two loop nonlinear free vibration control of a flexible plate. , 2016, , .		2
132	Operator-based robust control for nonlinear uncertain systems with unknown backlash-like hysteresis. International Journal of Control, Automation and Systems, 2016, 14, 469-477.	1.6	12
133	Adaptive Nonlinear Sensorless Control for an Uncertain Miniature Pneumatic Curling Rubber Actuator Using Passivity and Robust Right Coprime Factorization. IEEE Transactions on Control Systems Technology, 2016, 24, 318-324.	3.2	45
134	A New Learning Algorithm for Data-driven PID Controller Based on E-FRIT. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 683-689.	0.1	3
135	Passivity-Based Tracking Control for Uncertain Nonlinear Feedback Systems. Journal of Robotics and Mechatronics, 2016, 28, 837-841.	0.5	7
136	Design and Application of a Data-Driven Expert Controller Based on the Operating Data of a Skilled Worker. Journal of Robotics and Mechatronics, 2016, 28, 730-738.	0.5	0
137	Extended control of walking motion for use in an autonomous robot platform. International Journal of Advanced Mechatronic Systems, 2015, 6, 137.	0.1	1
138	Notice of Removal Operator based nonlinear vibration control for an aircraft vertical tail with unknown input nonlinearity. , 2015, , .		0
139	Advanced intelligent walking robot control through sliding motion control and bond graphs methods. , 2015, , .		2
140	Practical design scheme for nonlinear systems with unknown bounded perturbations using robust right coprime factorization. , 2015, , .		0
141	SVR-based input-output mapping of a micro-hand. , 2015, , .		2
142	Robot control intelligent interfaces using the DSMT and the neutrosophic logic. International Journal of Advanced Mechatronic Systems, 2015, 6, 128.	0.1	0
143	Robust adaptive control scheme for uncertain non-linear model reference adaptive control systems with time-varying delays. IET Control Theory and Applications, 2015, 9, 1181-1189.	1.2	20
144	Operator-based left coprime factorization for nonlinear systems. , 2015, , .		0

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145	Operator based voltage control experiments of thermoelectric generation system. , 2015, , .		2
146	Operator and sliding mode based nonlinear control for cooling and heat-retention system actuated by peltier devices. , 2015, , .		2
147	Experimental study on nonlinear vibration control of an L-shape arm. , 2015, , .		0
148	Strongly stable GPC with suppression of steady state gain and closed-loop poles. , 2015, , .		5
149	Sensitivity of operator based nonlinear feedback control design using robust right coprime factorization. , 2015, , .		0
150	Positioning Control through Command Messages Inside a Flexible Robotic Cell with AGV. , 2015, , .		3
151	Operator based fault detection and isolation for microreactor actuated by Peltier devices. , 2015, , .		3
152	Operator-based vibration control for an L-type arm of crane systems using piezoelectric actuator. , 2015, , .		2
153	Design of a fault tolerant control system using Mahalanobis-Taguchi(MT) system. , 2015, , .		0
154	Acoustic emission signal harr wavelet denoise research. , 2015, , .		0
155	Unified controller for swing-up control of parallel and serial double inverted pendulum systems. International Journal of Advanced Mechatronic Systems, 2015, 6, 98.	0.1	2
156	Robot arm with micro-hand robust control design using operator-based robust right coprime factorization approach. , 2015, , .		0
157	Design of a data-driven expert controller. , 2015, , .		2
158	Model free fault detection using one set of reference input and output data. , 2015, , .		2
159	Robust Stability and Tracking for Operator-Based Nonlinear Uncertain Systems. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1059-1066.	3.4	44
160	Thermoelectric generation system design with considering heat output dynamics and its application to motor car. , 2015, , .		2
161	Design of a CMAC-FRIT controller for a magnetic levitation device. , 2015, , .		1
162	Versatile Intelligent Portable Robot Platform for flexible robotic cells with AGV. , 2015, , .		2

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163	Operator-based nonlinear networked control system with packet error. , 2015, , .		0
164	Passivity-based robust control for uncertain nonlinear feedback systems. , 2015, , .		1
165	Nonlinear remote temperature control of a spiral plate heat exchanger. , 2015, , .		4
166	Operator-Based Sliding-Mode Nonlinear Control Design for a Process with Input Constraint. Journal of Robotics and Mechatronics, 2015, 27, 83-90.	0.5	10
167	Nonlinear Perfect Tracking Control for a Robot Arm with Uncertainties Using Operator-Based Robust Right Coprime Factorization Approach. Journal of Robotics and Mechatronics, 2015, 27, 49-56.	0.5	7
168	New Developments on Robust Nonlinear Control and Its Applications. Mathematical Problems in Engineering, 2014, 2014, 1-2.	0.6	3
169	Operator based nonlinear compensation of backlash nonlinearity in spur gear pairs. , 2014, , .		1
170	Operator-based optimal design for nonlinear feedback tracking systems. , 2014, , .		0
171	Robust nonlinear multivariable tracking control design for a human-simulated robot arm using operator approach. , 2014, , .		1
172	Reproduction of swing-up and giant swing motion of Acrobot based on a technique of the horizontal bar gymnast. , 2014, , .		6
173	Modeling on the fluid temperature distribution of a spiral heat exchanger. , 2014, , .		5
174	Operator-based robust decoupling control for MIMO nonlinear systems. , 2014, , .		3
175	Improved Artificial Bee Colony Algorithm and Its Application in LQR Controller Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	7
176	Robust Nonlinear Control with Compensation Operator for a Peltier System. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	1
177	Effects on engineering education of group learning. , 2014, , .		2
178	Intelligent extended control of the walking robot motion. , 2014, , .		4
179	Online estimation of arriving time for robot to soccer ball in RoboCup Soccer using PSO-SVR. , 2014, , .		1
180	Unified method for swing-up control of double inverted pendulum systems. , 2014, , .		4

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181	A Cooling and Heat-retention System actuated by Peltier device considering fan-motor control. , 2014, , .		4
182	Enhanced extenics controller for real time control of rescue robot actuators. , 2014, , .		1
183	Nonlinear water temperature control experiment for microreactor group actuated by Peltier devices. , 2014, , .		2
184	Nonlinear compensation of uncertain DC-DC converter with bilinear dynamics. , 2014, , .		1
185	Improvement of the walking robot dynamic stability using the DSmT and the neutrosophic logic. , 2014, , .		1
186	L ∞ operator-based the right coprime factorization for nonlinear systems. , 2014, , .		0
187	Operator based MPPT scheme of power generation system using thermoelectric devises. , 2014, , .		3
188	Nonlinear water temperature control of three connected microreactors actuated by Peltier devices. , 2014, , .		1
189	A numerical dynamic behaviour model for 3D contact problems with friction. Computational Materials Science, 2014, 94, 285-291.	1.4	28
190	Robust temperature control of polymer electrolyte fuel cell reformer. International Journal of Advanced Mechatronic Systems, 2014, 6, 12.	0.1	3
191	Compensation on the Uncertain Nonlinear Plants Preceded by Uncertain Backlash. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1214-1220.	0.1	2
192	Operator-based robust control design for a human arm-like manipulator with time-varying delay measurements. International Journal of Control, Automation and Systems, 2013, 11, 1112-1121.	1.6	11
193	An operator-based robust nonlinear control system for nonlinear plants with uncertain backlash dynamics. , 2013, , .		1
194	An optimal robust controller with multi-rate output feedback by using symbolic computation. , 2013, , .		3
195	SVM based fault classifier design for a water level control system. , 2013, , .		3
196	Experimental studies on power control of semiconductor thermoelectric power generation system. , 2013, , .		0
197	Robots extension control using fuzzy smoothing. , 2013, , .		9
198	Nonlinear sensorless cooling control for a Peltier actuated aluminum plate thermal system. , 2013, , .		9

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199	Operator-based robust control for nonlinear feedback systems with noise disturbance. , 2013, , .		1
200	Operator-based sliding mode nonlinear control for a twin-tank process with constraint inputs. , 2013, , .		0
201	Decentralized adaptive robust controllers with simpler structure of uncertain large scale nonlinear interconnected systems. , 2013, , .		1
202	The 3D elastic quasi-static contact applied to robots control. , 2013, , .		1
203	Approximately 2-local derivations on the finite von Neumann algebras. , 2013, , .		0
204	Experimental study of nonlinear vibration control for vertical tail with considering low order mode. , 2013, , .		3
205	Operator-based robust control for nonlinear uncertain systems with backlash-like hysteresis. , 2013, , .		2
206	IEEE Robotics and Automation Society Technical Committee on Agricultural Robotics and Automation [TC Spotlight]. IEEE Robotics and Automation Magazine, 2013, 20, 20-125.	2.2	38
207	Operator-based robust nonlinear control and fault detection for a Peltier actuated thermal process. Mathematical and Computer Modelling, 2013, 57, 16-29.	2.0	43
208	Design of sliding-mode controller via model reduction for automatic generation control of micro hydropower plants: Isolated-mode case. , 2013, , .		0
209	Design of poles of controller in strongly stable generalised minimum variance control using symbolic computation software. International Journal of Advanced Mechatronic Systems, 2013, 5, 345.	0.1	4
210	Nonlinear sensorless cooling control for a peltier actuated aluminum plate thermal system. , 2013, , .		4
211	Robust nonlinear multivariable tracking control design to a manipulator with unknown uncertainties using operator-based robust right coprime factorization. Transactions of the Institute of Measurement and Control, 2013, 35, 788-797.	1.1	40
212	Temperature control of Polymer Electrolyte Fuel Cell Reformer. , 2013, , .		1
213	Operator based fault detection and compensation design of an unknown multivariable tank process. , 2013, , .		5
214	Operator-based robust nonlinear perfect tracking control design to a robot arm with uncertainties. , 2013, , .		1
215	Tracking control and error analysis for non-linear plants using robust right coprime factorisation. International Journal of Advanced Mechatronic Systems, 2013, 5, 326.	0.1	0
216	Support Vector Machine Based Mobile Robot Motion Control and Obstacle Avoidance. , 2013, , 223-251.		0

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217	Sensorless Nonlinear Control for A Miniature Pneumatic Curling Rubber Actuator Using Robust Right Coprime Factorization and SVR Estimation. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1924-1929.	0.1	3
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